

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

LD125b (5624-263-999)

APPLICATION NO.

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APPLICANT

FILING DATE

May 26, 1998

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	Balog et al., 1996, "Total Synthesis of (-)-Epothilone A", Angew. Chem. Int. Ed. Engl., 35(23-24):2801-2803
CB	Bertini et al., 1970, "Alkenes from Epoxides by Reductive Elimination with Magnesium Bromide-Magnesium Amalgam", Chem. Commun., 144
CC	Bollag et al., 1995, "Epothilones, A New Class of Microtubule-stabilizing Agents with a Taxol-like Mechanism of Action", Cancer Res. 55, No. 11, 2325-2333
CD	Fujisawa et al., 1974, "Deoxygenation of Epoxides to Olefins with FeCl <sub>3</sub> - BuLi System", Chem. Lett., 883-886
CE	Fujisawa et al., 1978, "Reductive Coupling of Carbonyl Compounds to Olefins by Tungsten Hexachloride-Lithium Aluminum Hydride and Some Tungsten and Molybdenum Carbonyls", J. Org. Chem., 43(12): 2477-2479
CF	Gladysz et al., 1976, "Deoxygenation of Epoxides by Metal Atom Cocondensation", J. Org. Chem., 41(22): 3647-3648
CG	Hofle et al., 1996, "Epothilone A and B - Novel 16-Membered Macrolides with Cytotoxic Activity: Isolation, Crystal Structure, and Conformation in Solution", Angew. Chem. Int. Ed. Engl., 35(13-14):1567-1569
CH	Hofle et al., 1999, "N-Oxidation of Epothilone A-C and O-Acyl Rearrangement to C-19 and C-21 -Substituted Epothilones", Angew. Chem. Int. Ed., 38(13/14):1971-1974
CI	Inokuchi et al., 1992, "Opening of Epoxides to Olefins or Halohydrins with Vanadium(II)-Tetrahydrofuran or Vanadium(III)-Tetrahydrofuran Complexes", Synlett, No. 6, 510-512
CJ	Kowalski et al., 1997, "Activities of the Microtubule-stabilizing Agents Epothilones A and B with Purified Tubulin and in Cells Resistant to Paclitaxel (Taxol®)" J. Biol. Chem., 272(4):2534-2541
CK	Kupchan et al., 1971, "Reductive Elimination of Epoxides to Olefins with Zinc-Copper Couple", J. Org. Chem., 36(9):1187-1190
CL	Martin et al., 1984, "Epoxides as Alkene Protecting Groups. A Mild and Efficient Deoxygenation", Tetrahedron Letters, 25(3):251-254
CM	McMurry et al, 1975, "Reduction of Epoxides to Olefins with Low Valent Titanium", J. Org. Chem., 40(17):2555-2556
CN	McMurry et al., 1978, "Some Deoxygenation Reactions with Low-Valent Titanium (TiC <sub>3</sub> /LiAlH <sub>4</sub> )", J. Org. Chem., 43(17):3249-3254
CO	Meng D., et al., "Remote Effects in Macrolide Formation Through Ring-Forming Olefin Metathesis: An Application to the Synthesis of Fully Active Epothilone Congeners", J. Am. Chem. Soc., Vol. 119, No. 11, 2733-2734 (1997)
CP	Nicolaou K. C., et al., 1996, "An Approach to Epothilones Based on Olefin Metathesis", Angew. Chem. Int. Ed. Engl., 35(20):2399-2401
CQ	Nicolaou K.C. et al., 1997, "Total Synthesis of Epothilone A: The Macrolactonization Approach", Angew. Chem. Int. Ed. Engl., 36(5): 525-527
CR	Nicolaou K.C. et al., 1997, "Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, and Cytotoxic Action against Taxol-Resistant Tumor Cells, Angew. Chem. Int. Ed. Engl., 36(19): 2097-2103
CS	Nicolaou K.C. et al., 1997, "The Olefin Metathesis Approach to Epothilone A and its Analogues", J. Am. Chem. Soc., 119(34): 7960-7973

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CV	Nicolaou K.C. et al., 1997, "Synthesis of Epothilones A and B in Solid and Solution Phase" (Correction to Nature 387, 268-272 (1997)), Nature, 390, 100
CW	Raucher, S., et al., 1986, "Total Synthesis of (+)-Dihydrocostunolide via Tandem Cope-Claisen Rearrangement", J. Org. Chem., 51(26): 5503-5505
CX	Sato M. et al., 1982, "Reduction of Organic Compounds with Low-Valent Niobium ( $\text{NbCl}_5/\text{NaAlH}_4$ )", Chem. Letters, 157-160
CY	Schinzer D. et al., 1997, "Total Synthesis of (-)-Epothilone A", Angew. Chem. Int. Ed. Engl., 36(5):523-524
CZ	Schobert R., et al., 1990, "Reduction and Isomerization of Oxiranes and - Diazoketones by Various Early Transition Metallocenes", Synlett, 8: 465-466
CAA	Sharpless K.B., et al., 1972, "Lower Valent Tungsten Halides. A New Class of Reagents for Deoxygenation of Organic Molecules", J. Amer. Chem. Soc., 94(18): 6538-6540
CAB	Su D.-S. et al., 1997, "Total Synthesis of (-)-Epothilone B: An Extension of the Suzuki Coupling Method and Insights into Structure-Activity Relationships of the Epothilones", Angew. Chem. Int. Ed. Engl., 36(7): 757-759
CAC	Su D.-S., et al., 1997, "Structure-Activity Relationships of the Epothilones and the First In Vivo Comparison with Paclitaxel", Angew. Chem. Int. Ed. Engl., 36(19):2093-2096
CAD	Victory S.F., et al., 1996, "Relative Stereochemistry and Solution Conformation of the Novel Paclitaxel-Like Antimitotic Agent Epothilone A", Bioorg. Med. Chem. Letts., 6(7):893-898
CAE	Winkler J. D. et al., 1996, "A Model For The Taxol (Paclitaxel)/Epothilone Pharmacophore", Bioorg. Med. Chem. Letts., 6(24): 2963-2966
CAF	Yang Z., et al., 1997, "Total Synthesis of Epothilone A: The Olefin Metathesis Approach", Angew. Chem. Int. Ed. Engl., 36(1/2): 166-168
CAG	Bollag D., et al., 1995, "Epothilone, A New Structural Class of Microtubule Stabilizer", Abstract, Proc Am. Assoc. Cancer Res., 36( 86): Meet. 454
CAH	Bollag D., 1997, "Epothilones: Novel Microtubule-Stabilising Agents", Expert Opin. Invest. Drugs, 6(7):867-873
CAI	Bertinato P., et al., 1996, "Studies Toward a Synthesis of Epothilone A; Stereocontrolled Assembly of the Acyl Region and Models for Macrocyclization", J. Org. Chem., 61(23):8000-8001
CAJ	Chemical & Engineering News, 1996, "Epothilone Epiphany: Total Syntheses", 74( 52):24-26
CAK	Chemical & Engineering News, 1997, "First Total Synthesis of Epothilone B", 75(13):23
CAL	Chemical & Engineering News, 1997, "Solid-Phase Epothilone Synthesis Used to Create Analog Library", 75( 20):33
CAM	Claus et al., 1997, "Synthesis of the C1-C9 Segment of Epothilons", Tetrahedron Lett., 38(8):1359-1362
CAN	De Brabander et al., 1997 "Towards a Synthesis of Epothilone A: Rapid Assembly of the C1-C6 and C7-C12 Fragments", Synlett, 7: 824-826
CAO	Gabriel T. and Wessjohann, L., 1997, "The Chromium-Reformatsky Reaction; Asymmetric Synthesis of the Aldol Fragment of the Cytotoxic Epothilons from 3-(2-Bromoacyl)-2-Oxazolidinones", Tetrahedron Lett., 38(8):1363-1366
CAP	Gerth K., et al., 1996, "Epothilons A and B: Antifungal and Cytotoxic Compounds from <i>Sorangium cellulosum</i> (Myxobacteria) Production Physico-chemical and Biological Properties", J. Antibiotics, 49(6): 560-563
CAQ	Marshall A., "Total Synthesis of Epothilone", Nature Biotechnology, Vol. 15, No. 3, 205 (1997)
CAR	Meng D., et al., "Studies Toward a Synthesis of Epothilone A: Use of Hydropyran Templates for the Management of Acyclic Stereochemical Relationships", J. Org. Chem., vol. 61, No. 23, 7998-7999 (1996)
CAS	Meng D., et al., "Total Syntheses of Epothilones A and B", J. Am. Chem. Soc., Vol. 119, No. 42, 10073-10092 (1997)
CAT	Mensching, S. and Kalesse, M., "Generation of Thiazoles by Column Dehydrogenation of Thiazolidines with $\text{MnO}_2$ ", J. Prakt. Chem., Vol. 339, No. 1, 96-97 (1997)
CAU	Mulzer, J. and Mantoulidis, A., "Synthesis of the C(1)-C(9) Segment of the Cytotoxic Macrolides Epothilone A and B", Tetrahedron Lett., Vol. 37 No. 51, 9179-9182 (1996)
CAV	Nicolaou K., et al., 1999, "Chemistry, Biology and Medicine of Selected Tubulin Polymerizing Agents", Pure Appl. Chem., 71( 6): 989-997

	CAW	Nicolaou K., et al., 1997, "Total Synthesis of Epothilone E and Related Side -chain Modified Analogues Via a Stille Coupling Based Strategy", Bloorg. Med. Chem., 7(5): 665-697
	CAX	Schinzer D., et al., 1996, "Studies Towards the Synthesis of Epothilones: Asymmetric Synthesis of the Key Fragments", Chem. Eur. J., 2( 22): 1477-1482
	CAY	Taylor and Haley, J., 1997, "Towards the Synthesis of Epothilone A: Enantioselective Preparation of the Thiazole Sidechain and Macrocyclic Ring Closure", Tetrahedron Lett., 38(12):2061-2064
	CAZ	Schinzer D., et al., 1999, "Syntheses of (-)-Epothilone B", Chem. Eur. J., 5(9):2492-2500
	CBA	Schinzer D., et al., 1999, "Syntheses of (-)-Epothilone B", Chem. Eur. J., 5(9): 2492-2500
	CBB	Nicolaou K. C., et al., 1998, "Synthesis and Biological Properties of C12, 13-Cyclopropylepothilone A and Related Epothilones", Chemistry & Biology, 5(7): 365-372

**EXAMINER****DATE CONSIDERED**

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